

**Flood Control Project Maintenance****2011 Structure Summary Report****Overall Unit and Item Ratings****Plumas County****North Fork Feather River Diversion Channel Drop Structure No. 1 Through 7**

Overall Unit Rating	Rated Item	Item Rating
<b>A</b>	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A

**North Fork Feather River Diversion Structure**

Overall Unit Rating	Rated Item	Item Rating
<b>A</b>	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	A
	Trash Racks	A
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A

**Flood Control Project Maintenance**

**Unit Cover Sheet**

**2011 Structure Inspection Results**

**Plumas County**

Structure
North Fork Feather River Diversion Channel Drop Structure No. 1 Through 7

Structure Rating	<b>A</b>
Date of Inspection	7/12/2011
DWR Inspector	Bob Duffey
Accompanied By	Jay Pettigrew Plumas Co.

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2011**

**Plumas County**

Structure							Structure Length	Inspection Start/End	Inspector	
North Fork Feather River Diversion Channel Drop Structure No. 1 Through 7								07/12/2011 07/12/2011	Bob Duffey	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Structures	Photo Documentation				40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	23 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: All vegetation needs to be removed from the drop structure before winter.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	1
3	0.00	0.00	Structures	Shoaling / Sedimentation		A		40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	2
4	0.00	0.00	Structures	Erosion / Bank Caving		A		40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	3
5	0.00	0.00	Structures	Revetments		A		40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	4
6	0.00	0.00	Structures	Encroachments		A		40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	5
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A		40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	6
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A		40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	7
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	8
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	9
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	10
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	11
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	12
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	13
15	0.00	0.00	Structures	Concrete Surfaces		A		40.296550 ° 121.259960 °	40.296550 ° 121.259960 °	14 Y
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A		40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	15

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
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PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2011**

**Plumas County**

Structure						Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 1 Through 7							07/12/2011 07/12/2011	Bob Duffey

  

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
17	0.00	0.00	Structures	Concrete Foundations		A		40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	16
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	17
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	18
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	19
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	20
22	0.00	0.00	Structures	Monolith Joints		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	21
23	0.00	0.00	Structures	Safety		A		40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	22

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2011**

**Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 1 Through 7		07/12/2011 07/12/2011	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation

View of structure 7 looking towards 6 & 5.

rduffey\_t\_20110718\_009.jpg



Levee Mile Report Line	15
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Concrete Surfaces

View of drop structure 1, looking towards the Feather River.

rduffey\_t\_20110817\_017.jpg



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**Flood Control Project Maintenance****Unit Cover Sheet****2011 Structure Inspection Results****Plumas County**

Structure
North Fork Feather River Diversion Structure

Structure Rating	<b>A</b>
Date of Inspection	7/12/2011
DWR Inspector	Bob Duffey
Accompanied By	Jay Pettigrew Plumas

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2011**

**Plumas County**

Structure						Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Structure							07/12/2011 07/12/2011	Bob Duffey

  

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Structures	Photo Documentation				40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	23 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: Remove all vegetation from the face of the dam area before winter.	40.302810 ° 121.261940 °	40.302810 ° 121.261940 °	1 Y
3	0.00	0.00	Structures	Shoaling / Sedimentation		A		40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	2
4	0.00	0.00	Structures	Erosion / Bank Caving		A		40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	3
5	0.00	0.00	Structures	Revetments		A		40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	4
6	0.00	0.00	Structures	Encroachments		A		40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	5
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A		40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	6
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A		40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	7
9	0.00	0.00	Structures	Metal Pipes		A		40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	8
10	0.00	0.00	Structures	Trash Racks		A	Inspector Comments: Remove all debris from the trash rack.	40.302750 ° 121.262170 °	40.302750 ° 121.262170 °	9 Y
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	10
12	0.00	0.00	Structures	Sluice/Slide Gates		A		40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	11
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	40.302810 ° 121.261940 °	40.302810 ° 121.261940 °	12 Y
14	0.00	0.00	Structures	Manual Gate Operators		A		40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	13
15	0.00	0.00	Structures	Concrete Surfaces		A		40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	14
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A		40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	15
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: There is surface cracking along the south wall of the fish ladder.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	16

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2011**

**Plumas County**

Structure						Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Structure							07/12/2011 07/12/2011	Bob Duffey

  

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
18	0.00	0.00	Structures	Security Fencing		A		40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	17
19	0.00	0.00	Structures	Closure Structures		A		40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	18
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	19
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	20
22	0.00	0.00	Structures	Monolith Joints		A		40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	21
23	0.00	0.00	Structures	Safety		A		40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	22

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2011**

**Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Structure		07/12/2011 07/12/2011	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation

View of the dam & structure.

rduffey\_t\_20110726\_014.jpg



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Vegetation & Obstructions

View of the outfall structure & slope of the dam.

rduffey\_t\_20110726\_011.jpg



Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Trash Racks

View of the trash with little debris.

rduffey\_t\_20110726\_012.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2011**

**Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Structure		07/12/2011 07/12/2011	Bob Duffey

Levee Mile Report Line	13
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Electric Gate Operators
Gauging house on top of the dam, use discontinued due to vandalism.	
rduffey_t_20110726_013.jpg	

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